

Unit-1 System tools & Techniques

* Flowchart:

- flowchart is graphical representation of sequential statements to describe the system completely
- There are 4 types of flowchart:
 - 1) System outline chart
 - 2) System flowchart
 - 3) Computer run chart
 - 4) program / procedure flowchart

1) System Outline Chart:

- It represent list of all inputs, files, processes and output, into tabular form without bothering sequence of operations
- It help in checking for duplications in operations.
- System outline chart for payroll college system as follow:

Sheet no -
01Title:
college
payroll
systemSystem:
payrollDocument
no - 01Input:

- 1) Employee details
- 2) Attendance details
- 3) Norms & Condition
- 4) Deduction details
- 5) Arrears detail (Allowance)
- 6) leave details

process:

- 1) Calculating attendance
- 2) Calculating Arrears
- 3) Calculating deduction
- 4) Calculating leaves
- 5) Calculating Net salary.
- 6) Generating payslip, Bank statements, pay register.

Files:

- 1) Employee detail files
- 2) Attendance file
- 3) T & C file
- 4) Deduction file
- 5) Arrears file
- 6) Leave detail files

Output:

- 1) Payslip
- 2) Bank statement
- 3) Pay register
- 4) Salary Summerized report

<u>Title :</u> College Result System	<u>System :</u> Result	<u>Document :</u> 02	<u>Sheet no :</u> 02
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Input :

- 1) Student details
- 2) Semester details
- 3) Attendance
- 4) Marks details
- 5) Subject details
- 6) Exam details

process :

- 1) Calculating Marks
- 2) Calculating no. of subject
- 3) Calculating total
- 4) Calculating attendance
- 5) Calculating percentage
- 6) Calculating grade
- 7) Generating the marksheet

Files :

- 1) Student details files
- 2) Semester details files
- 3) Attendance files
- 4) Marks details files
- 5) Subject file
- 6) Exam file

Output :

- 1) Report card
- 2) Class category